

Notice of Allowability

Application No.

09/755,150

Examiner

Quynh H. Nguyen

Applicant(s)

SHEN ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 2/2/05.
2. ☒ The allowed claim(s) is/are 1-24.
3. ☒ The drawings filed on 08 January 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


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EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interview with Mr. Lenny Jiang on 4/27/05.

3. Claims 1, 5, 8, 10-15, and 20 have been amended as follows:

1. (currently amended): A process for handling incoming telephone calls for a subscriber line of a telecommunications network while the subscriber line is busy during an online data-network session ~~is blocking the subscriber line~~, wherein a terminal of a subscriber sets up a connection to an access device of an online data network via the subscriber line, and the access device sends current access data to the terminal, the process comprising the steps of:

the terminal signaling the current access data to a service computer of the telecommunications network,

a switching center of the telecommunications network signaling to the service computer the fact that an incoming call destined for the subscriber line is waiting at the switching center, and

the service computer supplying at least one predetermined service for the purpose of processing the incoming call.

5. (currently amended): A process according to Claim 1, wherein by way of a predetermined service the service computer instructs one of the switching center and the terminal to break off or to interrupt the online data-network session ~~blocking~~ occupying the subscriber line and in that the switching center signals the incoming call on the subscriber line.

8. (currently amended): A process according to Claim 1, wherein the switching center signals to the service computer a clear-down of the connection ~~blocking~~ occupying the subscriber line.

10. (currently amended): A service computer of a telecommunications network for handling incoming telephone calls for a subscriber line of [a] the telecommunications network while the subscriber line is busy during an online data-network session of a terminal ~~of a subscriber is blocking the subscriber line~~, the service computer comprising:

a receiver configured in such a way that the service computer of the telecommunications network can receive access data sent from the terminal of the subscriber which the terminal has received from an access device of an online data

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network in the course of the setting-up of a connection to the online data network via the subscriber line, and further configured such that the service computer can receive a message from a switching center of the telecommunication network in which the switching center signals to the service computer the fact that an incoming call destined for the subscriber line is waiting at the switching center;

a memory configured in such a way that the service computer can store the access data; and

a service supply configured in such a way that the service computer can supply at least one predetermined service for the purpose of processing the incoming call with the aid of the access data.

11. (currently amended): A switching center for handling incoming telephone calls for a subscriber line of a telecommunications network while the subscriber line is busy during an online data-network session of a terminal of a subscriber is blocking the subscriber line, said switching center comprising:

a receiver configured in such a way that the switching center can receive and hold an incoming call destined for the subscriber line while the subscriber line is blocked by busy during an online data-network session of the terminal of the subscriber;

a recognition apparatus configured in such a way that the switching center can recognize that the terminal has set up a connection ~~blocking~~ occupying the subscriber line; and

a transmitter configured in such a way that the switching center can send a message to a service computer of the telecommunications network if an incoming call destined for the subscriber line is waiting while the subscriber line is ~~blocked by~~ busy during an online data-network session of the terminal,

wherein the terminal signals access data to the service computer of the telecommunications network to aid in providing services for handling incoming calls for the ~~blocked~~ occupied subscriber line, said access data being sent from an access device to the terminal.

12. (currently amended): A terminal of a subscriber for handling incoming telephone calls for a subscriber line of a telecommunications network while the subscriber line is busy during an online data-network session of the terminal ~~is blocking the subscriber line~~, the terminal comprising:

a receiver configured in such a way that the terminal can receive current access data from an access device of an online data network which the access device sends to the terminal of the subscriber in the course of the setting-up of a connection to the online data network via the subscriber line, and

a transmitter configured in such a way that the terminal can send the current access data to a service computer of the telecommunications network, which with the aid of the access data can supply at least one predetermined service for the purpose of processing an incoming call waiting at a switching center due to the online data-network session of the terminal ~~blocking~~ occupying the subscriber line.

13. (currently amended): A terminal of a subscriber for handling incoming telephone calls for a subscriber line of a telecommunications network while the subscriber line is busy during an online data-network session of the terminal ~~is blocking the subscriber line~~, the terminal comprising:

a receiver configured in such a way that the terminal of the subscriber can receive instructions from a service computer of the telecommunications network which, with a view to supplying at least one predetermined service for the purpose of processing the incoming call waiting at a switching center due to the online data-network session of the terminal ~~blocking~~ occupying the subscriber line, the service computer sends off to the terminal with the aid of access data which the service computer has obtained from the terminal after a connection from the terminal to the online data network has been set up via the subscriber line, and

execution apparatus configured in such a way that the terminal can execute the instructions.

14. (currently amended): An access-data-sending program module for a terminal of a subscriber for handling incoming telephone calls for a subscriber line of a telecommunications network while the subscriber line is busy during an online data-network session of the terminal ~~is blocking the subscriber line~~, said program module containing program code which can be executed by a processor in the terminal, the program module comprising:

receiving code for receiving from an access device of an online data network current access data which the access device sends to the terminal of the subscriber in the course of the setting-up of a connection to the online data network via the subscriber line, and

sending code for sending the current access data to a service computer of the telecommunications network, which with the aid of the access data can supply at least one predetermined service for the purpose of processing an incoming call waiting at a switching center due to the online data-network session of the terminal blocking occupying the subscriber line.

15. (currently amended): A program module for a terminal of a subscriber for handling incoming telephone calls for a subscriber line of a telecommunications network while the subscriber line is busy during an online data-network session of the terminal ~~is blocking the subscriber line~~, said program module containing program

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code which can be executed by a processor in the terminal, the program module comprising:

receiving code for receiving instructions from a service computer of the telecommunications network which the service computer sends off to the terminal of the subscriber with a view to supplying at least one predetermined service for the purpose of processing the incoming call, which is waiting at a switching center due to the online data-network session of the terminal ~~blocking~~ occupying the subscriber line, with the aid of access data which the service computer has received from the terminal after a connection from the terminal to the online data network has been set up via the subscriber line, and

execution code for executing the instructions.

20. (currently amended): A switching center according to Claim 11, wherein the transmitter is configured in such a way that the switching center can send the message to the service computer if the incoming call destined for the subscriber line is waiting while the subscriber line is ~~blocked~~ occupied by an online data-network session of the terminal without forwarding the incoming call to the service computer.